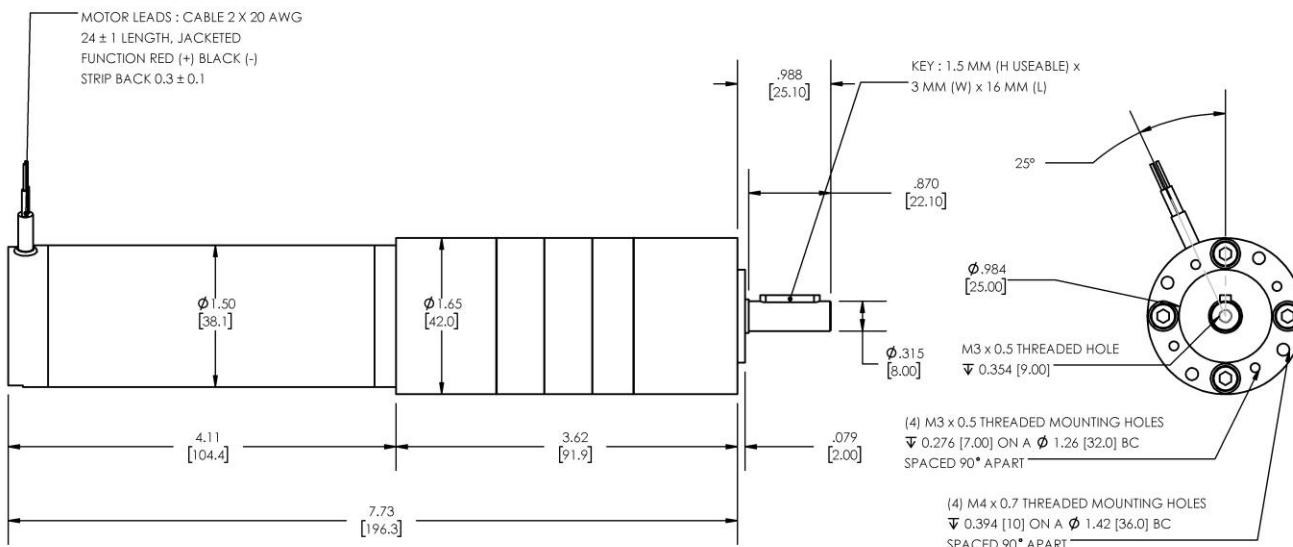


**Model Number:**
**MMP S17-400E-36V GP42-059**


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	58.85 : 1		
Gearhead Shaft Output Speed (at full-load)	85	RPM	MAX
Gearmotor Rated Continuous Torque	72	In-Lbs	MAX
Gearmotor Rated Peak Torque	243++	In-Lbs	----
Gearhead Standard Backlash	60	Arc Minutes	MAX
Gearhead Efficiency	70%		----
Output Shaft Radial Load Capacity	68	Lbs	MAX
Output Shaft Axial Load Capacity	25	Lbs	MAX
Gearmotor Total Weight	2.6	Lbs	MAX

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	36	DC VOLTS	----
Rated Continuous Current	4.0	AMPERES	----
No-Load Speed	6349	RPM	MAX
Rated Speed	4983	RPM	+/- 15%
Rated Continuous Power Out	102	WATTS	+/- 15%
Rated Continuous Torque	28	OZ-IN	----
Peak Torque (motor only)	94	OZ-IN	----
No-Load Current	0.34	AMPERES	MAX
Back EMF Constant (Ke)	5.7	V/KRPM	+/- 10%
Torque Constant (Kt)	7.7	OZ-IN/AMP	+/- 10%
DC Armature Resistance	1.95	OHMS	+/- 15%
Armature Inductance	0.50	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

**NOTES:**

- ENCODER & BRAKE OPTIONS AVAILABLE - [FOLLOW THIS LINK FOR DETAILS](#)
- NEMA MOUNTING FLANGE OPTION AVAILABLE - [FOLLOW THIS LINK FOR DETAILS](#)

**MIDWEST MOTION PRODUCTS, INC**

DESIGN, MANUFACTURING &amp; DISTRIBUTION - MOTION CONTROL EQUIPMENT

[www.midwestmotion.com](http://www.midwestmotion.com)

 email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)